

Two new *Delopsis* collected by Dr. Leefmans in Java. (Diptera Mycetophilidae).

by

F. W. EDWARDS

British Museum (Natural History).

In my : Studien über südostasiatische Insekten XVI, Tijdschr. v. Ent. LXVII, 1924 p. 206, 207, I mentioned two Javanese species of *Delopsis*. The first one (*D. nigroflava* Sen. White) was received from Dr. Leefmans, who found the larvae on tealeaves. He described them (in De Tropische Natuur IV, 1915 p. 62) as looking like small snails, covered by a conical scale as in the snail-genus *Ancylus*, so being of the same type as those of *Epicyptha scatophora*, described by Perris. Leefmans sent me also the pupal cocoon, consisting of two layers, an outer one with wide meshes and an inner with much smaller ; the *Ancylus*-like scale, consisting of black excrement of the larva, was found near the cocoon.

The other species, *Delopsis sartrix* de Meij. was sent to me by Prof. Roepke from Salatiga. Here the cocoon, where it reached the leaf, was surrounded by a black ring, formed evidently from the excrement-scale. In 1933 Mr. Leefmans sent me again two *Delopsis*-flies, from Depok near Buitenzorg, and wrote to me that they were also collected on tea-plants. As they were both different from the former ones I sent them to Mr. Edwards who is better acquainted than I with the oriental Fungivoridae. According to him they were two undescribed species, and he sent me the descriptions for publication.

As the leaves are not at all damaged by these larvae, Mr. Leefmans suggested that they were feeding on bits of humus fallen from the trees above, perhaps also on moulds. The contents of the gut seemed to him to consist of humus- and dust-particles.

J. C. H. DE MEIJERE.

Descriptions by Mr. Edwards :

Delopsis flavicauda sp. n.

♀. *Head* light yellowish, including antennae and palpi ; antennal flagellum very little darkened. *Thorax* mainly dark brown, with anterior third of mesonotum as well as propleurae

pale yellowish, also a narrow yellow band of even width extending from side to side immediately in front of the blackish scutellum. *Abdomen* with tergites 1—5 mainly dark brown, but 4 and 5 extensively yellowish at sides (except towards posterior margin of 5); tergite 6 yellow with the base narrowly dark; venter wholly yellow. *Legs* pale yellowish, no darkening even at tips of hind femora. Front tibia with two dorsal bristles, distal one longer. Middle tibia with 6 dorsal bristles, o subdorsal, 4 (in one case 5) external, 3 ventral, o internal. Hind tibia with strong bristles in only two regular rows. *Wings* with a large dark brown patch extending from costa to just below median vein, filling basal half of median fork, but leaving wing-tip broadly and wing-base rather more narrowly clear. *Halteres* yellow. Wing-length 3 mm.

Buitenzorg, 2 ♀ ♀.

Closely allied to *D. sartrix* de Meij., which has similar thoracic colouring and tibial chaetotaxy but differs conspicuously in having entirely clear wings as well as in abdominal markings.

Delopsis leefmansi sp. n.

♂. Resembles the above species in thoracic colouring and many other respects, differing as follows: — Dark colour of mesonotum almost or quite reaching scutellum in middle, so that the yellow pre-scutellar band is almost or quite divided into two patches. *Abdomen* with tergites 4 and 5 both largely yellow basally, dark apically, the yellow colour forming complete bands. Front tibia with only one dorsal bristle; mid-tibial bristles 6 dorsal, 1 short subdorsal, 3 external, 4 ventral (distal one long), o internal. *Wings* entirely clear.

Buitenzorg, 1 ♂.

Resembles *D. nigroflava* S. W. and *D. sartrix* de Meij. in its thoracic markings and clear wings, but differs in tibial chaetotaxy and other respects. Of the two allied species mentioned, *D. sartrix* has 5 external bristles und *D. nigroflava* 3 subdorsal bristles on the middle tibia.
